Literature Cited

- Allendorf, F.W. and G. Luikart. 2007. Conservation and the Genetics of Populations. Blackwell Publishing, Malden, Massachusetts, USA.
- Amaral, S. V., P. T. Jacobson, and D. J. Giza. 2012. Survival and behavior of fish interacting with hydrokinetic turbines. 9th ISE, Vienna.
- Anderson, C. N. K., C.H. Hsieh, S. A. Sandin, R. Hewitt, A. Hollowed, J. Beddington, and G. Sugihara. 2008. Why fishing magnifies fluctuations in fish abundance. Nature 452: 835–839.
- Anderson, E. 1949. Introgressive Hybridization. New York: John Wiley and Sons.
- Arnold, M. 1997. Natural Hybridization and Evolution. New York Oxford University Press.
- ASMFC (Atlantic States Marine Fisheries Commission). 1985. Fishery management plan for American shad and river herrings. Atlantic States Marine Fisheries Commission Fisheries Management Report No. 6, Washington, D.C.
- ASMFC (Atlantic States Marine Fisheries Commission). 1999. Amendment 1 to the interstate fishery management plan for shad and river herring. Atlantic States Marine Fisheries Commission Fisheries Management Report No. 35, Washington, D.C.
- ASMFC (Atlantic States Marine Fisheries Commission). 2000. 2000 Review of the Atlantic States Marine Fisheries Commission fishery management plan for shad and river herring (*Alosa* sp.). Atlantic States Marine Fisheries Commission Shad and River Herring Plan Review Team, Washington, D.C.
- ASMFC (Atlantic States Marine Fisheries Commission). 2009a. Amendment 2 to the Interstate Fishery Management Plan for the Shad and River Herring FMP.
- ASMFC (Atlantic States Marine Fisheries Commission). 2009b. Atlantic Coast Diadromous Fish Habitat: A Review of Utilization, Threats, Recommendations for Conservation, and Research Needs. Habitat Management Series #9. January 2009.
- ASMFC (Atlantic States Marine Fisheries Commission). 2012. River Herring Benchmark Stock Assessment, Volumes I & II. Stock Assessment Report No. 12-02 of the Atlantic States Marine Fisheries Commission.

- Atkins, C. G. 1887. The river fisheries of Maine. In: Goode, B.G. (ed). The fisheries and fishery industries of the United States, Section V, vol. 1: 673–728.
- Azarovitz, T.R. 1981. A brief historical review of the Woods Hole Laboratory trawl survey time series. Pages 62-67 in W.G. Doubleday and D. Rivard, editors. Bottom trawl surveys. Canadian Special Publication of Fisheries and Aquatic Sciences 58.
- Basnyat, P., L. D. Teeter, K. Flynn, and B. G. Lockaby. 1999. Relationships between landscape characteristics and nonpoint source pollution inputs to coastal estuaries. Environmental Management 23 (4): 539-549.
- Batzer, D.P., B.M. George, and A. Braccia. 2005. Aquatic invertebrate responses to timber harvest in a bottomland hardwood wetland of South Carolina. Forest Sci. 51(4): 284-291.
- Bentzen P., I. Paterson, M. McBride, and T. Willis. 2012. Report. Genetic Analysis of Anadromous Alewife Populations in Maine. Marine Gene Probe Laboratory, Halifax, Nova Scotia, CA.
- Bethoney, N. D., B. P. Schondelmeier, K. D. E. Stokesbury, and W. S. Hoffman. In Press. Developing a fine scale system to address river herring (*Alosa pseudoharengus*, *A. aestivalis*) and American shad (*A. sapidissima*) bycatch in the U.S. Northwest Atlantic mid-water trawl fishery. Fish. Res. 2012. http://dx.doi.org/10.1016/j.fishres.2012.09.003.
- Boaze, J. L. and R. T. Lackey. 1974. Age, growth, and utilization of landlocked alewives in Claytor Lake, Virginia. Progressive Fish-Culturist 36 (3):163–164.
- Boger, R. A. 2002. Development of a watershed and stream-reach spawning habitat model for river herring (*Alosa pseudoharengus* and *A. aestivalis*). Doctoral dissertation. The College of William and Mary, Williamsburg, Virginia.
- Bowman, R. E., C. E. Stillwell, W. L. Michaels, and M. D. Grosslein. 2000. Food of northwest Atlantic Fishes and Two Common Species of Squid. NOAA Tech. Memo. NMFS-NE-155: 138 pp.
- Brookes, A. 1988. Channelized rivers: Perspectives for environmental management. John Wiley and Sons, New York.
- Brown, J. J., K. E. Limburg, J. R. Waldman, K. Stephenson, E. P. Glenn, F. Juanes, and A. Jordaan. 2013. Fish and hydropower on the U.S. Atlantic coast: failed fisheries policies from half-way technologies. Conservation Letters. doi: 10.1111/conl.12000

- Byrne, C.J., and J.R.S. Forrester. 1991. Relative Fishing Power of NOAA R/V's Albatross IV and Delaware II. In: Report of the Twelfth Northeast Regional Stock Assessment Workshop. US. Dept. Commer., NOAA, Northeast Fisheries Science Center Ref. Doc. 91-03, 187 p.
- Carlson, F. T. and J. A. McCann. 1969. Hudson River fisheries investigations 1965-1968: Evaluations of a proposed pumped storage project at Cornwall, New York in relation to fish in the Hudson River. Hudson River Policy Committee, Consolidated Edison Company, New York, New York.
- Carter, V., N. B. Rybicki, and R. Hammerschlag. 1991. Effects of submerged macrophytes on dissolved oxygen, pH, and temperature under different conditions of wind, tide, and bed structure. Journal of Freshwater Ecology 6: 121-133.
- Chesapeake Executive Council. 1989. Chesapeake Bay Alosid Management Plan. Agreement Commitment Report, Annapolis, Md: 37 pp.
- Chutter, F. M. 1969. The effects of silt and sand on the invertebrate fauna of streams and rivers. Hydrobiologia, 34: 57-77.
- Cieri, M., G. Nelson, and M. A. Armstrong. 2008. Estimates of river herring bycatch in the directed Atlantic herring fishery. Massachusetts Department of Marine Fisheries. Gloucester.
- Clarke, D. G., R. M. Engler, and D. H. Wilber. 2000. Assessment of potential impacts of dredging operations due to sediment resuspension. DOER Technical Notes Collection (ERDCTN-DOER-E9), U.S. Army Engineer Research and Development Center, Vicksburg, MS.
- Collette, B. B. and G. Klein-Macphee (Eds.). 2002. Bigelow and Schroeder's Fishes of the Gulf of Maine, 3rd Edition. Smithsonian Institution Press. Washington and London.
- Collier, R. S. and M. C. Odom. 1989. Obstructions to anadromous fish migration. North Carolina Department of Natural Resources and Community Development, Environmental Protection Agency, and National Estuary Program, APES Project No. 88-12, Raleigh, North Carolina.
- Collins, J. W. and H. M. Smith. 1890. Report on the Fisheries of the New England States. Fishery Bulletin 10 (1): 73-176.

- Collins, M. R., S. G. Rogers, T. I. J. Smith, and M. L. Moser. 2000. Primary factors affecting sturgeon populations in the southeastern United States: Fishing mortality and degradation of essential habitats. Bulletin of Marine Science 66 (3): 917-928.
- Comeleo, R. L., J. F. Paul, P. V. August, J. Copeland, C. Baker, S. S. Hale, and R. W. Latimer. 1996. Relationships between watershed stressors and sediment contamination in Chesapeake Bay estuaries. Landscape Ecology 11 (5): 307-319.
- Cooper, S. R. and G. S. Brush. 1993. A 2,500 year history of anoxia and eutrophication in the Chesapeake Bay. Estuaries 16 (3B): 617-626.
- Correll, D. L. 1987. Nutrients in Chesapeake Bay. Pages 298-320 in S. K. Majumdar, L. W. Hall, Jr., and H. M. Austin, editors. Contaminant Problems and Management of Living Chesapeake Bay Resources. Pennsylvania Academy of Science, Easton, Pennsylvania.
- Cournane, J.M., M. Cieri, and S. J. Correia. 2010a. Developing River Herring Catch Cap Options in the Directed Atlantic Herring Fishery. http://www.nero.noaa.gov/nero/regs/frdoc/12/Herring%20Amendment%205/Volume%20 II/Appendix_VII_%20Herring%20PDT%20Catch%20Cap%20Paper%20Am%205Web.p df.
- Cournane, J. M., J. P. Kritzer, and S. J. Correia. 2010b. Spatial and Temporal Patterns of Anadromous Alosine Bycatch in the US Atlantic Herring Fishery, Fisheries Research, doi:10.1016/j.fishres.2012.08.001.
- Crecco, V. A. and T. Savoy. 1987. Review of recruitment mechanisms of the American shad: the critical period and match-mismatch hypotheses reexamined. Am. Fish. Soc. Symposium 1. Bethesda, Maryland: 455-468.
- Crecco, V., T. Savoy, and J. Benway. 2007. Stock assessment of American shad in Connecticut. Pages 347-402. In ASMFC. 2007. Atlantic States Marine Fisheries Commission. Stock assessment of American shad, Stock Assessment Report Number 07-01. Washington, DC, USA.
- Cronin, E. L., R. B. Biggs, D. A. Flemer, G. T. Pfitzmeyer, F. Goodwin, Jr., W. L. Dovel, and D. E. Richie. 1970. Gross physical and biological effects of overboard spoil disposal in upper Chesapeake Bay. Chesapeake Biological Laboratory, Natural Resource Institute, Special Report No. 3, University of Maryland, Solomons, Maryland.

- CTDEP (State of Connecticut Department of Environmental Protection). 2011. A study of marine recreational fisheries in Connecticut: Federal Aid in Sport Fish Resporation F-54-R-30 Annual Performance Report March 1, 2010-February 28, 2011. Accessed 22 April 2013 from http://www.ct.gov/deep/lib/deep/fishing/fisheries_management/2010_trawl_survey_report.pdf.
- Cushman, R. M. 1985. Review of ecological effects of rapidly varying flows downstream from hydroelectric facilities. North American Journal of Fisheries Management 5: 330-339.
- Dadswell, M. J., G. D. Melvin, and P. J. Williams. 1983. Effect of turbidity on the temporal and spatial utilization of the inner Bay of Fundy by American shad (*Alosa sapidissima*) (Pisces: Clupeidae) and its relationship to local fisheries. Canadian Journal of Fisheries and Aquatic Sciences 40: 322-330.
- Dalton, C. M., D. Ellis, and D. M. Post. 2009. The Impact of Double-Crested Cormorant (*Phalacrocorax auritus*) Predation on Anadromous Alewife (*Alosa pseudoharengus*) in South-Central Connecticut, USA. Canadian Journal of Fisheries and Aquatic Sciences 66: 177-186.
- Davis, J. P., E. T. Schultz, and J. C. Vokoun. 2012. Striped Bass Consumption of Blueback Herring during Vernal Riverine Migrations: Does Relaxing Harvest Restrictions on a Predator Help Conserve a Prey Species of Concern?, Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science 4 (1): 239-251.
- DBC (Delaware Basin Fish and Wildlife Management Cooperative). 1980. A management plan for the American shad (*Alosa sapidissima*) in the Delaware River Basin.
- Dechtiar A. and W. J. Christie. 1988. Survey of the parasite fauna of Lake Ontario fishes, 1961 to 1971. . In: Report Great Lakes Fish. Comm. 1988. Parasites of fishes in the Canadian waters of the Great Lakes Technical Report 51: 66-95.
- Dechtiar, A.O. and A. H. Lawrie. 1988. Survey of the parasite fauna of Lake Superior fishes, 1967-1975. In: Report Great Lakes Fish. Comm. 1988. Parasites of fishes in the Canadian waters of the Great Lakes Technical Report 51: 1-18.
- Despres-Patanjo, L. I., T. R. Azarovitz, and C. J. Byrne. 1988. Twenty-five years of fish surveys in the Northwest Atlantic: The NMFS Northeast Fishery Center's bottom trawl survey program. Marine Fisheries Review 50: 69-71.

- DFO (Department of Fisheries and Oceans). 2001. Gaspereau Maritime Provinces Overview. DFO Science Stock Status Report D3-17 (2001).
- DFO (Department of Fisheries and Oceans). 2006. Integrated Gaspereau Fishery Management Plan, Eastern New Brunswick Area, Gulf Region 2007-2012.
- DFO (Department of Fisheries and Oceans). 2007a. Assessment of Gaspereau River Alewife. Science Advisory Report 2007/030.
- DFO (Department of Fisheries and Oceans). 2007b. Gaspereau River alewife stock status report. Research Document 2007/032.
- DFO (Department of Fisheries and Oceans). 2010. Preparing an Integrated Fisheries Management Plan (IFMP): Guidance document (February 15, 2010). Fisheries and Oceans Canada, Ottawa, Ontario. http://www.dfo-mpo.gc.ca/fm-gp/peches-fisheries/ifmp-gmp/guidance-guide/preparing-ifmp-pgip-elaboration-eng.htm.
- Dixon, D. A. 1996. Contributions to the life history of juvenile blueback herring (*Alosa aestivalis*): Phototactic behavior and population dynamics. Doctoral dissertation. College of William and Mary, Virginia Institute of Marine Science, School of Marine Science, Gloucester Point, Virginia.
- Durkas, S. J. 1992. Impediments to the spawning success of anadromous fish in tributaries of the NY/NJ Harbor Watershed. American Littoral Society, Highlands, New Jersey.
- EDF (Environmental Defense Fund). 2003. Draft Edenton Bay Watershed Restoration Plan. Edenton, North Carolina.
- Erkan, D. E. 2002. Strategic plan for the restoration of anadromous fishes to Rhode Island coastal streams. Rhode Island Department of Environmental Management, Division of Fish and Wildlife, Completion Report in Fulfillment of Federal Aid in Sportfish Restoration Project No. F-55-R, Wakefield, Rhode Island.
- Everett, G. 1983. The impact of pulp mill effluent on the Chowan River herring fishery. North Carolina Department of Natural Resources and Community Development, Division of Environmental Management, Water Quality Planning Branch, Report No. 83-08, Raleigh, North Carolina.
- Fajen, O. F. and J. B. Layzer. 1993. Agricultural Practices. Pages 257-270 in C. F. Bryan, and D. A. Rutherford, editors. Impacts on warmwater streams: Guidelines for evaluation.

- Southern Division of the American Fisheries Society, Little Rock, Arkansas.
- Ferguson, J. W. 1992. Analyzing turbine bypass systems at hydro facilities. Hydro Review 1992: 46-56.
- Ferry, K. H. and M. E. Mather. 2012. Spatial and Temporal Diet Patterns of Subadult and Small Adult Striped Bass in Massachusetts Estuaries: Data, a Synthesis, and Trends across Scales, Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science, 4(1): 30-45.
- Frankensteen, E. D. 1976. Genus *Alosa* in a channelized and an unchannelized creek of the Tar River basin, North Carolina. Masters thesis. East Carolina University, Greenville, North Carolina.
- Funderburk, S. L., S. J. Jordan, J. A. Mihursky, and D. Riley (Eds). 1991. Habitat requirements for Chesapeake Bay living resources. Chesapeake Bay Program, Living Resources Subcommittee, Annapolis, Maryland.
- Gahagan, B. I., J.C. Vokoun, G. W. Whitledge, and E. T. Schultz. 2012. Evaluation of Otolith Microchemistry for Identifying Natal Origin of Anadromous River Herring in Connecticut. Marine and Coastal Fisheries 4(1): 358-372.
- Gammon, J. R. 1970. The effects of inorganic sediment on stream biota. Environmental Protection Agency Water Pollution Conservation Research Series No. 18050 DWC 12170, Washington, D.C.
- Gaspereau Management Plan. 2001. Integrated Fisheries Management Plan Gaspereau Eastern New Brunswick Gulf Region 2001-2006.
- Gloss, S. P. 1982. Estimates of juvenile American shad (*Alosa sapidissima*) turbine mortality at low-head hydropower sites. Page 22 in R. G. Howey, editor. Proceedings of 1981 American shad workshop -- culture, transportation, and marking. U. S. Fish and Wildlife Service Lamar Informational Leaflet No. 82-01, Hadley, Massachusetts.
- Haines, T. A. 1981. Acid precipitation and its consequences for aquatic ecosystems: A review. Trans. Am. Fish. Soc. 110: pp. 669-707.
- Hall, C.J., A. Jordan, and M. G. Frisk. 2011. The historic influence of dams on diadromous fish habitat with a focus on river herring and hydrologic longitudinal connectivity. Landscape Ecology 26: 95–107.

- Hanski, I. and M. Gilpin. 1991. Metapopulation dynamics: brief history and conceptual domain. Biol. J. Linn. Soc. 42: 3–16.
- Hare, J. A., M. A. Alexander, M. J. Fogarty, E. H. Williams, and J. D. Scott. 2010. Forecasting the dynamics of a coastal fishery species using a coupled climate-population model. Ecol. Appl. 20 (2): 452–64.
- Hare, J. A., M. J. Wuenschel, and M. E. Kimball. 2012. Projecting Range Limits with Coupled Thermal Tolerance Climate Change Models: An Example Based on Gray Snapper (*Lutjanus griseus*) along the U.S. East Coast. PLoS ONE 7(12): e52294. doi:10.1371/journal.pone.0052294.
- Hartman, K.J. 2003. Population level consumption by Atlantic coastal striped bass and the influence of population recovery upon prey communities. Fisheries Management and Ecology 10: 281–288.
- Hartman, G. F., J. C. Scrivener, and M. J. Miles. 1996. Impacts of logging in Carnation Creek, a high-energy coastal stream in British Columbia, and their implication for restoring fish habitat. Canadian Journal of Fisheries and Aquatic Sciences 53: 237-251.
- Hasselman, D. J., R. G. Bradford, and P. Bentzen. 2010. Taking stock: defining populations of American shad (*Alosa sapidissima*) in Canada using neutral genetic markers. Canadian Journal of Fisheries and Aquatic Sciences 67: 1021-1039.
- Hauck, F. R. and Q. A. Edson. 1976. Pumped storage: Its significance as an energy source and some biological ramifications. Transactions of the American Fisheries Society 105 (1): 158-164.
- Hawkins, J. H. 1979. Anadromous fisheries research program Neuse River. North Carolina Department of Natural Resources and Community Development, Division of Marine Fisheries Progress Report No. AFCS13-2, Raleigh, North Carolina.
- Heimbuch, D. G. 2008. Potential effects of striped bass predation on juvenile fish in the Hudson River. Transactions of the American Fisheries Society 137: 1591-1605.
- Heisey, P. G., D. Mathur, and E. T. Euston. 1996. Passing fish safely: A closer look at turbine vs. spillway survival. Hydro Review 15: 42-50.
- Holmes, E. 2001. Estimating risks in declining populations with poor data. Proceedings of the National Academy of Sciences (USA) 98: 5072-5077.

- Holmes, E. E. and E. J. Ward. 2010. Analysis of multivariate time-series using the MARSS package. NOAA Fisheries, Northwest Fisheries Science Center, 2725 Montlake Blvd E., Seattle, WA 98112.
- Holmes, E., E. Ward and K. Wills. 2012a. MARSS: Multivariate Autoregressive State-Space Modeling. R package version 2.9 Manual.
- Holmes, E. E., E. J. Ward, and K. Wills. 2012b. MARSS: Multivariate autoregressive statespace models for analyzing time-series data. The R Journal 4(1): 11-19.
- Hsieh, C.H., C. S. Reiss, J. R. Hunter, J. R. Beddington, R. M. May, and G. Sugihara. 2006. Fishing elevates variability in the abundance of exploited species. Nature 443: 859–862.
- Hubbard, W. D., D. C. Jackson, and D. J. Ebert. 1993. Channelization. Pages 135-155 in C. F. Bryan, and D. A. Rutherford, editors. Impacts on warmwater streams: Guidelines for evaluation. Southern Division, American Fisheries Society, Little Rock, Arkansas.
- IPCC (Intergovernmental Panel on Climate Change). 2007. IPCC Fourth Assessment Report: Climate Change 2007 (AR4). Core Writing Team (R. K. Pachauri & A. Reisinger, eds). Geneva: IPCC.
- Jacobson, L.D., A. Seaver and J. Tang. 2011. AstroCalc4R: software to calculate solar zenith angle; time at sunrise, local noon and sunset; and photosynthetically available radiation based on time, date and location. Northeast Fisheries Science Center Lab. Ref. Doc. 11-14, 10 p.
- Johnston, C. A., N. E. Detenbeck, and G. J. Niemi. 1990. The cumulative effect of wetlands on stream water quality and quantity: A landscape approach. Biogeochemistry 10 (2): 105-141.
- Jones, C.M. 2006. Estuarine and Diadromous Fish Metapopulations. Pages 119 to 154. In Book.
 J. P. Kritzer and P. Sale. Marine Metapopulations. Elsevier Academic Press. Burlington,
 MA.
- Jordan, S., C. Stenger, M. Olson, R. Batiuk, and K. Mountford. 1992. Chesapeake Bay dissolved oxygen goal for restoration of living resource habitats. Maryland Department of Natural Resources, Annapolis, Maryland.
- Keller, E. A. 1978. Pools, riffles, and channelization. Environmental Geology 2 (2): 119-127.
- Kelly, M. H., and R. L. Hite. 1984. Evaluation of Illinois stream sediment data: 1974-1980. Illinois Environmental Protection Agency Report No. IEPA/WPC/84-004, Illinois.

- Kemp, W. M., P. A. Sampou, J. Garber, J. Tuttle, and W. R. Boynton. 1992. Seasonal depletion of oxygen from bottom waters of Chesapeake Bay: Roles of benthic and planktonic respiration and physical exchange processes. Marine Ecology Progress Series 85: 137-152.
- Kennish, M. J., T. J. Belton, P. Hauge, K. Lockwood, and B. E. Ruppel. 1992. Polychlorinated biphenyls in estuarine and coastal marine waters of New Jersey: A review of contamination problems. Reviews in Aquatic Sciences 6 (3,4): 275-293.
- Killgore, K. J., R. P. Morgan, Jr., and N. B. Rybicki. 1989. Distribution and abundance of fishes associated with submerged aquatic plants in the Potomac River. North American Journal of Fisheries Management 9: 101-111.
- Klauda, R. J., S. A. Fischer, L. W. Hall, Jr., and J. A. Sullivan. 1991a. Alewife and blueback Herring: *Alosa pseudoharengus* and *Alosa aestivalis*. Pages 10.1-10.29 in S. L. Funderburk, J. A. Mihursky, S. J. Jordan, and D. Riley (eds). Habitat requirements for 128 Chesapeake Bay living resources, 2nd edition. Chesapeake Bay Program, Living Resources Subcommittee, Annapolis, Maryland.
- Klauda, R. J., S. A. Fischer, L. W. Hall, Jr., and J. A. Sullivan. 1991b. American shad and hickory shad. Pages 9.1-9.27 in S. L. Funderburk, J. A. Mihursky, S. J. Jordan, and D. Riley (eds). Habitat requirements for Chesapeake Bay living resources, 2nd edition. Chesapeake Bay Program, Living Resources Subcommittee, Annapolis, Maryland.
- Kocik, J., R. Haas-Castro, G. Shepherd, and C. Lipsky. 2009. Atlantic Anadromous Fisheries Unit 3 in Our Living Oceans: 6th edition. NMFS Scientific Publications.
- Kortschal, K., R. Brandstatter, A. Gomahr, H. Junger, M. Palzenberger and M. Zaunreiter. 1991. Brain and sensory systems. In: I. J. Winfield and J. S. Nelson (eds). Cyprinid fishes: Systematics, biology and exploitation. Chapman and Hall.
- Krauthamer, J. and W. Richkus. 1987. Characterizations of the biology of and fisheries for Maryland stocks of American and hickory shad. Prepared for Tidewater Administration, Maryland Department of Natural Resources, Annapolis, Maryland.
- Lal, B., and T. P. Singh. 1987. The effect of malathion and gamma-BHC on the lipid metabolism in relation to reproduction in the tropical teleost, *Clarias batrachus*. Environmental Pollution 48: 37-47.

- Landry, T., A. D. Boghen, and G. M. Hare. 1992. Les parasites de l'alose d'ete (*Alosa aestivalis*) et du gaspareau (*Alosa pseudoharengus*) de la riviere Miramichi, Nouveau-Brunswick. Can. J. Zool. 70 (8): 1622-1624.
- Layzer, J. B. and J. A. O'Leary. 1978. Northfield Mountain pumped storage hydroelectric project anadromous fish study, part III: Out migration of radio-tagged Atlantic salmon (*Salmo salar*) smolts in the Connecticut River with particular reference to the Northfield Mountain Pumped Storage Hydroelectric Project, 1976-1978. Report to Northeast Utilities Service Company, Berlin, Connecticut.
- Leatherland, J. F., and R. A. Sonstegard. 1977. On the effect of dietary mirex or PCB (Arochlor 1254) on serum thyroxine (T4) and triiodothyronine (T3) levels in rainbow trout. Acta Endocrinologica (Supplement) 212: 234.
- Leatherland, J. F., and R. A. Sonstegard. 1978. Lowering of serum thyroxine and triiodothyronine levels in yearling coho salmon, *Oncorhynchus kisutch*, by dietary mirex and PCBs. Journal of the Fisheries Research Board Canada 35: 1285-1289.
- Leatherland, J. F., and R. A. Sonstegard. 1980. Effect of dietary Mirex and PCB's in combination with food deprivation and testosterone administration on thyroid activity and bioaccumulation of organochlorines in rainbow trout, *Salmo gairneri* Richardson. Journal of Fish Diseases 3: 115-124.
- Lenat, D. R. and J. K. Crawford. 1994. Effects of land use on water quality and aquatic biota of three North Carolina Piedmont streams. Hydrobiologia 294: 185-199.
- Lessard R.B. and M. D. Bryan. 2011. At-sea distribution and fishing impact on river herring and shad in the NW Atlantic.
- Levin, D. A. 2002. Hybridization and extinction. Am. Sci. 90: 254–261.
- Limburg, K.E. 1996. Growth and migration of 0-year American shad (*Alosa sapidissima*) in the Hudson River estuary: otolith microstructural analysis. Can. J. Fish. Aquat. Sci. 53: 220-238.
- Limburg, K. E., I. Blackburn, R. Schmidt, T. Lake, J. Hasse, M. Elfman, and P. Kristiansson. 2001. Otolith microchemistry indicates unexpected patterns of residency and anadromy in blueback herring, *Alosa aestivalis*, in the Hudson and Mohawk rivers. Bulletin Français de la Pêche et de la Pisciculture 362/363: 931–938.

- Limburg, K. E. and R. E. Schmidt. 1990. Patterns of fish spawning in Hudson River tributaries: Response to an urban gradient? Ecology 71 (4): 1238-1245.
- Lockaby, B. G., R. H. Jones, R. G. Clawson, J. S. Meadows, J. A. Stanturf, and F. C. Thornton. 1997. Influences of harvesting on functions of floodplain forests associated with low-order, blackwater streams. Forest Ecol. and Man. 90: 217-224.
- Loesch, J. G. and S. M. Atran. 1994. History of *Alosa* management: Virginia, a case study. Pages 1-6 in J. E. Cooper, R. T. Eades, R. J. Klauda, and J. G. Loesch (eds). Proceedings of the Anadromous Alosa Symposium, American Fisheries Society, Bethesda, Maryland.
- Loesch, J. G., W. H. Kriete and E. J. Foell. 1982. Effects of light intensity on the catchability of juvenile anadromous *Alosa* species. Trans. Am. Fish. Soc. 111: 41-44.
- Longwell, A. C., S. Chang, A. Herbert, J. B. Hughes, and D. Perry. 1992. Pollution and developmental abnormalities of Atlantic fishes. Environmental Biology of Fishes 35: 1-21.
- Mac, M. J. and C. C. Edsall. 1991. Environmental contaminants and the reproductive success of lake trout in the Great Lakes: An epidemiological approach. Journal of Toxicology and Environmental Health 33: 375-394.
- Mace, P. M., A. W. Bruckner, N. K. Daves, J. D. Field, J. R. Hunter, N. E. Kohler, R. G. Kope, S. S. Lieberman, M. W. Miller, J. W. Orr, R. S. Otto, T. D. Smith, N. B. Thompson, J. Lyke, and A. G. Blundell. 2002. NMFS / Interagency Working Group Evaluation of CITES Criteria and Guidelines. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-F/SPO-58, 70 pp.
- Mackiernan, G. B. 1987. Dissolved oxygen in the Chesapeake Bay: Processes and effects. Maryland Sea Grant, College Park, Maryland.
- MAFMC (Mid-Atlantic Fishery Management Council). 2012. Amendment 14 to the Atlantic Mackerel, Squid, and Butterfish (MSB) Fishery Management Plan (FMP): Draft Environmental Impact Statement. April 2012.
- Maldeis, R. W. 1978. Relationship between fishes and submerged aquatic vegetation in the Chesapeake Bay. Chesapeake Bay Foundation, Annapolis, Maryland.
- Mansueti, R. J. 1962. Eggs, larvae, and young of the hickory shad, *Alosa mediocris*, with comments on its ecology in the estuary. Chesapeake Science 3 (3): 173-205.

- Marcogliese, D. J. and S. Compagna. 1999. Diplostomatid eye flukes in young-of-the-year and forage fishes in the St. Lawrence River, Quebec. J. Aquat. Anim. Health 11: 275–282.
- Marcy, B. C., Jr. 1969. Age determination from scales of *Alosa pseudoharengus* (Wilson) and *Alosa aestivalis* (Mitchell) in Connecticut waters. Trans. Am. Fish. Soc. 98 (4): 622-630.
- Marcy, B. C., Jr. 1973. Vulnerability and survival of young Connecticut River fish entrained at a nuclear power plant. Journal of the Fisheries Research Board of Canada 30: 1195-1203.
- Marcy, B. C., Jr. 1976. Fishes of the lower Connecticut River and the effects of the Connecticut Yankee plant. Pages 61-114 in D. Merriman, and L. M. Thorper, editors. The Connecticut River ecological study: The impact of a nuclear power plant. American Fisheries Society Monograph No. 1, Bethesda, Maryland.
- Marcy, B. C., Jr., P. M. Jacobson, and R. L. Nankee. 1972. Observations on the reactions of young American shad to a heated effluent. Transactions of the American Fisheries Society 101 (4): 740-743.
- Martin, P., N. Taft, and C. Sullivan. 1994. Reducing entrainment of juvenile American shad using a strobe light diversion system. Pages 57-63 in J. E. Cooper, R. T. Eades, R. J. Klauda, and J. G. Loesch (eds). Anadromous Alosa Symposium, Tidewater Chapter, American Fisheries Society, Bethesda, Maryland.
- Mathur, D. and P. G. Heisey. 1992. Debunking the myths about fish mortality at hydro plants. Hydro Review 11: 54-60.
- Matthews, T. D., F. W. Stapor, Jr., C. R. Richter, J. V. Miglarese, M. D. McKenzie, and L. A. Barclay (eds). 1980. Ecological characterization of the Sea Island coastal region of South Carolina and Georgia. Vol. I: Physical features of the characterization area. USFWS, Office of Biological Services, Washington, D.C. FWS/OBS-79/40. 212 pp.
- McBride, M. 2006. Chapter 2: Managed fisheries of the Chesapeake Bay. Pages 13-79 in Chesapeake Bay Fisheries Ecosystem Advisory Panel (National Oceanic and Atmospheric Administration Chesapeake Bay Office). Fisheries ecosystem planning for Chesapeake Bay. American Fisheries Society, Trends in Fisheries Management 3, Bethesda, Maryland.
- McCord, J. W. 2005a. South Carolina's Comprehensive Wildlife Conservation Strategy: Alosines. South Carolina Department of Natural Resources, Columbia, South Carolina.

- McCord, J. W. 2005b. South Carolina's Comprehensive Wildlife Conservation Strategy: Sturgeon. South Carolina Department of Natural Resources, Columbia, South Carolina.
- McDowall, R. M. 2003. Shads and Diadromy: Implications for Ecology, Evolution, and Biogeography. Bethesda, MD. American Fisheries Society Symposium 35: 11–23.
- McElhany, P., M. H. Ruckelshaus, M. J. Ford, T. C. Wainwright, and E. P. Bjorkstedt. 2000. Viable Salmonid Populations and the Recovery of Evolutionarily Significant Units. U.S. Department of Commerce, NOAA technical memorandum. NMFS-NWFSC-42, 156 pp.
- Meadows, D. 2008. Alewife and Blueback Herring are Species of Concern Facing Many Threats. American Currents 34 (1).
- MEOEA (Commonwealth of Massachusetts, Executive Office of Environmental Affairs). 2005. 2005 Massachusetts Comprehensive Wildlife Conservation Strategy. http://www.mass.gov/dfwele/dfw/habitat/cwcs/pdf/mass_cwcs_final.pdf.
- Miller T.J., C. Das, P.J. Politis, A.S. Miller, S.M. Lucey, C.M. Legault, R.W. Brown, and P.J. Rago. 2010. Estimation of Albatross IV to Henry B. Bigelow calibration factors. Northeast Fish Sci Cent Ref Doc. 10-05; 233 p.
- Miller, J. P., F. R. Griffiths, and P. A. Thurston-Rogers. 1982. The American shad (*Alosa sapidissima*) in the Delaware River Basin. Delaware Basin Fish and Wildlife Management Cooperative.
- Mitchell, S. 1999. A simple model for estimating mean monthly stream temperatures after riparian canopy removal. Environmental Management 24 (1): 77-83.
- Monk, K. S. 1988. The effect of submerged aquatic vegetation on zooplankton abundance and diversity in the tidal freshwater Potomac River. Masters thesis. George Mason University, Fairfax, Virginia.
- Morgan, R. P., II, R. E. Ulanowicz, V. J. Rasin, Jr., L. A. Noe, and G. B. Gray. 1976. Effects of shear on eggs and larvae of striped bass, *Morone saxatilis*, and white perch, *M. americana*. Transactions of the American Fisheries Society 105 (1): 149-154.
- Morrison. C. M. and V. M. Marryatt. 1990. Coccidia found in some marine finfish off Nova Scotia, p. 165-174. In: F. O. Perkins and T. C. Cheng [ed.] Pathology in Marine Science. Academic Press Ltd., San Diego.

- Morton, J. W. 1977. Ecological effects of dredging and dredge disposal: A literature review. U.S. Fish and Wildlife Service, Technical Paper No. 94, Washington, D.C.
- Mullen, D. M., C. W. Fay, and J. R. Moring. 1986. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (North Atlantic)-Alewife/Blueback Herring. US FWS Biological Report 82(11.56). US ACOE, TR EL-82-4. 21pp.
- Murty, A. S., and A. P. Devi. 1982. The effect of endosulfan and its isomers on tissue protein Glycogen, and lipids in the fish, *Channa punctata*. Pesticide Biochemistry and Physiology 17: 280-286.
- NA (Normandeau Associates, Inc.). 2001. Adult American shad movement in the vicinities of Conowingo and Holtwood Hydroelectric Stations, Susquehanna River, during spring 2001. Report prepared for the USFWS, Pennsylvania Power & Light Company, and Exelon Corporation, Allentown, Pennsylvania.
- NCDENR (North Carolina Department of Environment and Natural Resources). 2000. North Carolina fishery management plan: Albemarle Sound area river herring. North Carolina Division of Marine Fisheries, Morehead City, North Carolina.
- NEFMC (New England Fishery Management Council). 1998. Essential Fish Habitat Description Atlantic herring (*Clupea harengus*). NEFMC EFH Amendment. October 1998. http://www.nero.noaa.gov/hcd/herring.pdf
- NEFMC (New England Fishery Management Council). 2006. EFH Designation Alternatives: Atlantic Salmon (*Salmo salar*). September 2006. http://www.nefmc.org/habitat/council_mtg_docs/Atlantic%20salmon%20EFH%20design ation%20document_Sept06.pdf
- NEFMC (New England Fishery Management Council). 2012. Draft Amendment 5 to the Fishery Management Plan (FMP) for Atlantic Herring Including a Draft Environmental Impact Assessment (DEIS). Volume I. March 2012.
- NEFSC (Northeast Fisheries Science Center). 2006. 42nd Northeast Regional Stock Assessment Workshop (42nd SAW) stock assessment report. A. Silver hake, Atlantic mackerel, and northern short-fin squid (CRD 06–09a). US Department of Commerce, Northeast Fisheries Science Center Reference Document, 06-09a. 284 pp.

- NEFSC (Northeast Fisheries Science Center). 2011. 51st Northeast Regional Stock Assessment Workshop (51st SAW) Assessment Report. US Dept Commer, Northeast Fish Sci Cent Ref Doc. 11-02; 856 p.
- NEFSC Vessel Calibration Working Group. 2007. Proposed vessel calibration studies for NOAA Ship Henry B. Bigelow. Northeast Fish. Sci. Cent. Ref. Doc. 07-12; 26 p.
- Neves, R. J. 1981. Offshore distribution of alewife, *Alosa pseudoharengus*, and blueback herring, *Alosa aestivalis*, along the Atlantic coast. U.S. Natl. Mar. Fish. Serv. Fish. Bull. 79 (3): 473-485.
- NMFS. 2012a. River Herring Stock Structure Working Group Report. Report to the National Marine Fisheries Service, Northeast Regional Office. August 13, 2012, 60pp.
- NMFS. 2012b. River Herring Climate Change Workshop Report. Report to the National Marine Fisheries Service, Northeast Regional Office. December 27, 2012, 60pp.
- NMFS. 2012c. River Herring Extinction Risk Workshop Report. Report to the National Marine Fisheries Service, Northeast Regional Office. August 13, 2012, 40pp.
- NRC (National Research Council). 2004. Atlantic Salmon in Maine. National Academy Press. Washington, D.C. 304 pp.
- Nye, J. A., J. S. Link, J. A. Hare, and W. J. Overholtz. 2009. Changing spatial distribution of fish stocks in relation to climate and population size on the Northeast United States continental shelf. Marine Ecology Progress Series 393: 111-129.
- Nye, J. A., P. Lynch, M. Alexander, C. Stock, and J. Hare. 2012. Results of Preliminary Analyses of the Effect of Climate Change on River Herring. Fisheries and the Environment (FATE) Annual Report 2012.
- O'Connell, A. M. and P. L. Angermeier. 1999. Habitat relationships for alewife and blueback herring spawning in a Virginia stream. Journal of Freshwater Ecology 14:357–370.
- Officer, C. B., R. B. Biggs, J. L. Taft, L. E. Cronin, M. A. Tyler, and W. R. Boynton. 1984. Chesapeake Bay anoxia: Origin, development, and significance. Science 223: 22-27.
- Orth, R. J., J. F. Nowak, A. A. Frisch, K. Kiley, and J. Whiting. 1991. Distribution of submerged aquatic vegetation in the Chesapeake Bay and tributaries and Chincoteague Bay 1990. U.S. Environmental Protection Agency, Chesapeake Bay Program, Annapolis, Maryland.

- Osborne, L. L. and M. J. Wiley. 1988. Empirical relationships between land use/cover and stream water quality in an agricultural watershed. Journal of Environmental Management 26: 9-27.
- Paerl, H. W., M. B. Harrington, and T. L. Richardson. 1999. The role of atmospheric N deposition in coastal eutrophication: Current issues and perspectives. Pages 347-353 In: V. P. Aneja, G. Murray, and J Southerland. 1999. Workshop on atmospheric nitrogen compounds II: Emissions, transport, transformation, deposition and assessment. Abstracts Book. Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University, Raleigh, North Carolina.
- Palkovacs, E. P., E. E. Argo, D. J. Hasselman, T. F. Shultz, E. M. Labbe, T. V. Willis, K. E. Limburg, S. M. Turner, S. G. Gephard, D. M. Post, and S. R. Thorrold. 2012. unpublished report.
- Palkovacs, E. P., K. B. Dion, D. M. Post, and A. Daccone. 2008. Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. Molecular Ecology 17: 582-597.
- Palkovacs, E., D.J. Hasselman, E.E Argo, S.R. Gephard, K.E. Limburg, D.M. Post, T.V Willis, T.F. Schultz. 2012. Taking stock of river herring: Population genetic structure in anadaromous alewife and blueback herring. Report for NFWF River Herring Working Group. 15pp.
- Palkovacs, E. P. and D. M. Post. 2008. Eco-evolutionary interactions between predators and prey: can predator-induced changes to prey communities feed back to shape predator foraging traits? Evolutionary Ecology Research (10):699-720.
- Peterjohn, W. T. and D. L. Correll. 1984. Nutrient dynamics in an agricultural watershed: Observations on the role of a riparian forest. Ecology 65 (5): 1466-1475.
- Pine, W. E., III. 2003. Population ecology of introduced flathead catfish. Doctoral dissertation. North Carolina State University, Raleigh.
- Post, G. W. 1987. Revised and expanded textbook of fish health. T. F. H. Publications, Neptune City, New Jersey.
- Prince, E. D. and D. H. Barwick. 1981. Landlocked blueback herring in two South Carolina reservoirs: reproduction and suitability as stocked prey. N. Am. J. Fish. Manage. 1: 41-45.

- Quinn, T. P. 1984. Homing and straying in Pacific salmon. Pages 357-362 In: J. D. McCleave, G. P. Arnold, J. J. Dodson, and W. H. Neill (eds). Mechanism of migration in fishes. New York: Plenum Press.
- Quinn, T. P. 1994. Anthropogenic influences on fish populations of the Georgia Basin, part
 I: Salmonids. Pages 219-229 In: R. C. H. Wilson, R. J. Beamish, F. Aitkens, and J. Bell
 (eds). Review of the Marine Environment and Biota of Strait of Georgia, Puget Sound
 and Juan de Fuca Strait. Canadian Technical Report of Fisheries and Aquatic Sciences
 1948, Vancouver, British Columbia.
- Ramade, F., R. Cosson, M. Echaubard, S. Le bras, J. C. Moreteau, and E. Thybaud. 1984. Détection de la pollution des eaux en milieu agricole. Bulletin D'Ecologie 15: 21-37.
- Reine, K. J., D. D. Dickerson, and D. G. Clarke. 1998. Environmental windows associated with dredging operations. DOER Technical Notes Collection (TN DOER-E2). U.S. Army Engineer Res. and Devel. Center, Vicksburg, MS. 14 pp.
- Rhymer, J. M. 2008. Hybridization, introgression, and the evolutionary management of threatened species. Pages 130–140 In: S. P. Carroll and C. W. Fox, editors. Conservation biology: evolution in action. Oxford University Press, New York.
- RMC (Research, Management, and Conservation Environmental Services Ltd.). 1990.

 Preliminary evaluation of the log chute at Holtwood hydroelectric project as a downstream passage route and effects of stream station thermal discharge on emigrating juvenile shad. Report prepared for Pennsylvania Power and Light Company, Allentown, Pennsylvania.
- RMC (Research, Management, and Conservation Environmental Services Ltd.). 1992. Turbine passage survival of juvenile American shad (*Alosa sapidissima*) at the Holtwood Hydroelectric Station, Pennsylvania. Report prepared for Pennsylvania Power and Light Company, Allentown, Pennsylvania.
- RMC (Research, Management, and Conservation Environmental Services Ltd.). 1994. Turbine passage survival of juvenile American shad (*Alosa sapidissima*) at Conowingo Hydroelectric Station (FERC Project No. 405), Susquehanna River, Maryland. Report prepared for Susquehanna Electric Company, Darlington, Maryland.
- Robbins, T. W. and M. Mathur. 1976. The Muddy Run pumped storage project: A case history. Transactions of the American Fisheries Society 105 (1): 165-172.

- Rothschild, B. J. 1966. Observations on the alewife (*Alosa pseudoharengus*) in Cayuga Lake. New York Fish and Game Journal 13: 188-195.
- Rudershausen, P. J., J. E. Tuomikoski, J. A. Buckel, and J. E. Hightower. 2005. Prey selectivity and diet of striped bass in western Albemarle Sound, North Carolina. Transactions of the American Fisheries Society. 134: 1059-1074.
- Ruggles, C.P. 1980. A review of the downstream migration of Atlantic salmon. Halifax (Nova Scotia): Freshwater and Anadromous Division, Resource Branch, Department of Fisheries and Oceans. Canadian Technical Report of the Fisheries and Aquatic Sciences No. 952. ix + 39 pp.
- Rulifson, R. A. 1994. Status of anadromous *Alosa* along the east coast of North America. Pages 134-159 in J. E. Cooper, R. T. Eades, R. J. Klauda, and J. G. Loesch (eds). Anadromous *Alosa* Symposium. Tidewater Chapter, American Fisheries Society Symposium, Bethesda, Maryland.
- Rulifson, R. A., S. A. McKenna, and M. L. Gallagher. 1987. Tagging studies of striped bass and river herring in upper Bay of Fundy, Nova Scotia. North Carolina Department of Natural Resources and Community Development, Division of Marine Fisheries Completion Report No. AFC-28-1, East Carolina University, Greenville, North Carolina.
- Safe, S. 1990. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and related compounds: Environmental and mechanistic considerations which support the development of toxic equivalency factors (TEFs). Critical Reviews in Toxicology 21(1): 51-88.
- Scarratt, D. J. and M. J. Dadswell. 1983. New approaches to tidal power. Fisheries and Environmental Sciences, Department of Fisheries and Oceans, Biological Station, St. Andrews, New Brunswick, Canada.
- Schloesser, R. W., M. C. Fabrizio, R. J. Latour, G. C. Garman, B. Greenlee, M. Groves, and J. Gartland. 2011. Ecological role of blue catfish in Chesapeake Bay communities and implications for management. Pages 369–382 in P. H. Michaletz and V. H. Travnichek, (eds). Conservation, ecology, and management of catfish: the second international symposium. American Fisheries Society, Symposium 77, Bethesda, Maryland.
- Schofield, C. L. 1992. The watershed as an experimental unit in fisheries research. American Fisheries Society Symposium 13: 69-79.

- Schultz, E. T., J. P. Davis, and J. Vokoun. 2009. Estimating Predation on Declining River Herring: Tag-recapture Study of Striped Bass in the Connecticut River. EEB Articles. Paper 21. http://digitalcommons.uconn.edu/eeb_articles/21.
- Secor, D. H., and T. E. Gunderson. 1998. Effects of hypoxia and temperature on survival, growth, and respiration of juvenile Atlantic sturgeon, *Acipenser oxyrinchus*. Fisheries Bulletin 96: 603-613.
- Shepherd, J. G. and Cushing, D. H. 1990. Regulation in fish populations: myth or mirage? Philosophical Transactions of the Royal Society of London (B), 330: 151–164.
- Sherburne, S. W. 1977. Occurrence of piscine erythrocytic necrosis (PEN) in the blood of anadromous alewife, *Alosa pseudoharengus*, from Maine coastal streams. J. Fish. Res. Bd. Can. 34: 281-286.
- Sherk, J. A., J. M. O'Connor, and D. A. Neumann. 1975. Effects of suspended and deposited sediments on estuarine environments. Pages 541-558 In: L.E. Cronin (ed). Estuarine Research 2. Academic Press, New York.
- Sherk, J. A., J. M. O'Connor, D. A. Neumann, R. D. Prince, and K.V. Wood. 1974. Effects of suspended and deposited sediments on estuarine organisms, phase II. Reference No. 74-20, Natural Resource Institute, University of Maryland, College Park, Maryland.
- Simpson, P. W., J. R. Newman, M. A. Keirn, R. M. Matter, and P. A. Guthrie. 1982. Manual of stream channelization impacts on fish and wildlife. U.S. Fish and Wildlife Service Report No. FWS/OBS-82/24, Washington, D.C.
- Singh, P. B. 1992. Impact of malathion and gamma-BHC on lipid metabolism in the freshwater female catfish, *Heteropneustes fossilis*. Ecotoxicology and Environmental Safety 23: 22-32.
- Smith, B. and J. Link. 2010. The Trophic Dynamics of 50 Finfish and 2 Squid Species on the Northeast US Continental Shelf. NOAA Technical Memorandum NMFS NE 216, 640 pp.
- Smith, H. M. 1891. Report on the fisheries of the south Atlantic States. Fishery Bulletin 11(1): 267-356.
- Solomon, D. J. and M. H. Beach. 2004. Fish pass design for eel and elver (*Anguilla anguilla*). Environment Agency Research and Development Technical Report No. W2-070/TR1,

- Bristol, England.
- Southerland, M., E. Rzemien, N. Roth, and L. Corio. 1997. Atmospheric deposition in Maryland: Assessment of status, trends, and environmental effects. Versar, Inc. Report No. CBWPMANTA-AD-97-6, and NTIS No.PB98-119274, Springfield, Virginia.
- Stine, C. B., A. S. Kane, and A. M. Baya. 2010. Mycobacteria isolated from Chesapeake Bay fish. Journal of Fish Diseases 33: 39-46.
- Stone H.H. and W.E. Gross. 2012. Review of the Georges Bank Research Vessel Survey Program, 1987-2011. Can. Manuscr. Rep. Fish. Aquat. Sci. 2988: xiii + 95p.
- Stone, H. H. and B. M. Jessop. 1992. Seasonal distribution of river herring *Alosa* pseudoharengus and *A. aestivalis* off the Atlantic coast of nova Scotia. Fish Bull. 90(2): 90:376-389.
- Taylor, G. L. 1977. The effect of clearcutting on benthic macroinvertebrates in a forest stream in the southern coastal plain. Masters thesis. Stephen F. Austin State University, Nagodoches, Texas.
- Taylor, R. and B. Kynard. 1984. Studies of downrunning adult alosids in the Holyoke Dam canal system -1983. Final Report to Northeast Utilities Service, Hartford, Connecticut.
- Tuomikoski, J. E., P. J. Rudershausen, J. A. Buckel, and J. E. Hightower. 2008. Effects of Age-1 Striped Bass Predation on Juvenile Fish in Western Albemarle Sound. Transactions of the American Fisheries Society 137: 324-339.
- Tuttle, J. H., R. B. Jonas, and T. C. Malone. 1987. Origin, development and significance of Chesapeake Bay anoxia. Pages 442-472 In: S. K. Majumdar, L. W. Hall, Jr., and H. M. Austin (eds). Contaminant problems and management of living Chesapeake Bay resources. Pennsylvania Academy of Science, Easton, Pennsylvania.
- USFC (United States Fish Commission). 1888-1940. Annual Reports. http://docs.lib.noaa.gov/rescue/cof/data_rescue_fish_commission_annual_reports.html
- USFWS-NMFS (United States Fish and Wildlife Service and National Marine Fisheries Service). 1998. Status review of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*). Special report submitted in response to a petition to list the species under the Endangered Species Act. Hadley and Gloucester, Massachusetts.
- USFWS (United States Fish and Wildlife Service), NMFS (National Marine Fisheries Service),

- and SC DNR (South Carolina Department of Natural Resources). 2001. Santee-Cooper Basin diadromous fish passage restoration plan.
- Valdes-Murtha, L. M. and K. S. Price. 1998. Analysis of critical habitat requirements for restoration and growth of submerged vascular plants in Delaware and Maryland coastal bays. Masters Thesis, College of Marine Studies, Univ. Delaware. Lewes, Delaware.
- Walter, J. F. III and H. M. Austin. 2003. Diet composition of large striped bass (*Morone saxatilis*) in Chesapeake Bay. Fishery Bulletin 101 (2): 414-423.
- Walter, J. F. III, A. S. Overton, K. H. Ferry, and M. E. Mather. 2003. Atlantic coast feeding habits of striped bass: a synthesis supporting a coast-wide understanding of trophic biology. Fisheries Management and Ecology 10: 349-360.
- Waples, R.S. 1998. Separating the wheat from the chaff: Patterns of genetic differentiation in high gene flow species. The Journal of Heredity 89(5): 438-450.
- Waples, R. S., P. B. Adams, J. Bohnsack, and B. L. Taylor. 2007. A biological framework for evaluating whether a species is threatened or endangered in a significant portion of its range. Conservation Biology. Vol. 21(4): pp 964-974.
- Ward, E. J., H. Chirakkal, M. González-Suárez, D. Aurioles-Gamboa, E. E. Holmes and L. Gerber. 2010. Inferring spatial structure from time-series data: using multivariate state-space models to detect metapopulation structure of California sea lions in the Gulf of California, Mexico. Journal of Applied Ecology 47: 47-56.
- Webster, J. R., S. W. Golladay, E. F. Benfield, J. L. Meyer, W. T. Swank, and J. B. Wallace. 1992. Catchment disturbance and stream response: An overview of stream research at Cowetta Hydrologic Laboratory. Pages 231-254 In: P. J. Boon, P. Calow, and G. E. Petts (eds). River conservation and management. John Wiley & Sons Ltd., New York, New York.
- Wesche, T. A. 1985. Stream channel modifications and reclamation structures to enhance fish habitat. Pages 103-163 In J. A. Gore (ed). The restoration of rivers and streams. Butterworth Publishers, Stoneham, Massachusetts.
- Wigley SE, Blaylock J, Rago PJ, Shield G. 2012. 2012 Discard estimation, precision, and sample size analyses for 14 federally managed species groups in the northeast region. US Dept Commer, Northeast Fish. Sci. Cent. Ref. Doc. 12-17; 146 pp.

- Wigley, S. E., J. Blaylock, and P. J. Rago. 2009. River herring discard estimation, precision and sample size analysis. Northeast Fish Science Center Reference Document 09-20. US Department of Commerce.
- Wigley, S. E., P. J. Rago, K. A. Sosebee, and D. L. Palka. 2007. The analytic component to the Standardized Bycatch Reporting Methodology Omnibus Amendment: sampling design and estimation of precision and accuracy (2nd edition). U.S. Dep. Commer., Northeast Fish. Sci. Cent. Ref. Doc. 07-09: 156 pp. http://www.nefsc.noaa.gov/publications/crd/crd0709/index.htm
- Wilber, W. G. and J. V. Hunter. 1977. Aquatic transport of heavy metals in the urban environment. Water Resources Bulletin 13: 721-734.
- Winslow, S. E., N. S. Sanderlin, G. W. Judy, J. H. Hawkins, B. F. Holland, Jr., C. A. Fischer, and R. A. Rulifson. 1983. North Carolina anadromous fisheries management program.North Carolina Division of Marine Fisheries Completion Report for Project No. AFCS-16, Morehead City, North Carolina.
- Yadav, A. K. and T. P. Singh. 1987. Pesticide-induced impairment of thyroid physiology in the freshwater catfish, *Heteropneustes fossilis*. Environmental Pollution 43: 29-38.
- Yeager, B. 1995. Dams. Pages 57-92 In C. F. Bryan, and D. Allen Rutherford (eds). Impacts on warm water streams: Guidelines for evaluation. American Fisheries Society, Bethesda, Maryland.
- Zale, A. V., O. E. Maughan, D. J.Orth, and W. Layher. 1993. Withdrawals. Pages 271-280 In: C. F. Bryan, and D. A. Rutherford (eds). Impacts on warmwater streams: Guidelines for evaluation, second edition. American Fisheries Society Southern Division, Little Rock, Arkansas.
- Ziegler, P. E., S. E. Wade, S. L. Schaaf, D. A. Stern, C. A. Nadareski, and H. O. Mohammed. 2007. Prevalence of *Cryptosporidium* species in wildlife populations within a watershed landscape in southeastern New York State. Veterinary Parasitology 147: 176-184.